



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090093-BA

Mode: Highway

Status: Submitted

US-1

From/Cross Street: SR 1104 (Osborne Road)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: US 74 Bypass

Project Category: Statewide Mobility

Length: 4.79

TIP#: R-2501BA

Fully Funded in Draft STIP? No

Cost to NCDOT: \$46,927,000

Description:

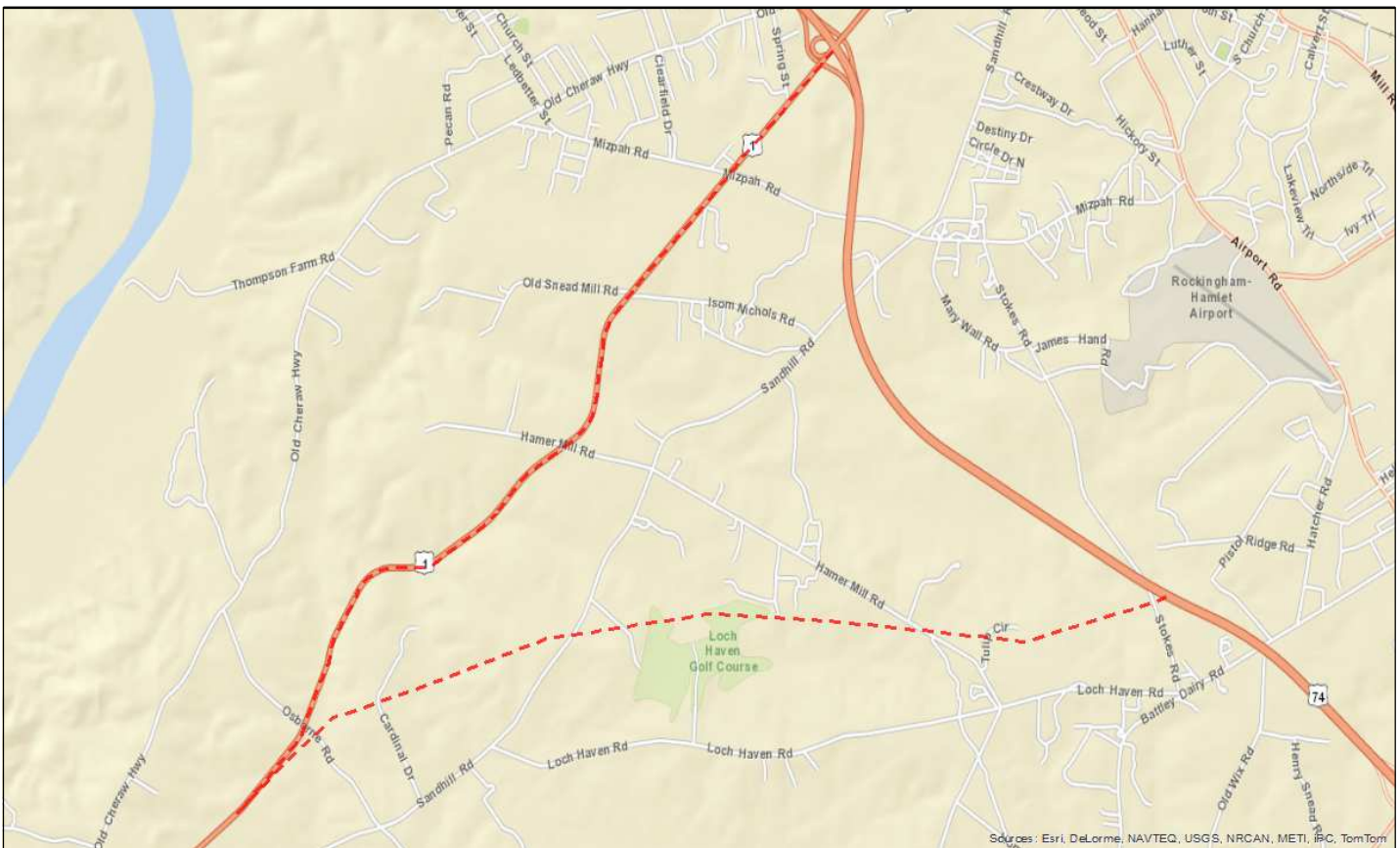
Construct Multi-Lanes on New Location.

Division(s): Division 8

County(s): RICHMOND

MPOS(s)/RPO(s): Lumber River RPO

Project Location



Statewide Mobility Total Score: 19.44

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 4.23 Congestion (V/C) (30%) 15.33 Safety (10%) 78.42 Economic Competitiveness (10%) 49.19 Multimodal + [Freight & Military] (20%) 4.08	N/A	N/A
Totals: Weight: 100% Weighted Score: 19.44		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) 10.80 Congestion (V/C) (25%) 15.33 Safety (10%) 78.42 [Travel Time] Benefit/Cost (25%) 4.23	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 13.81		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 15.33 Safety (10%) 78.42 [Travel Time] Benefit/Cost (20%) 4.23	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 11.75		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	19.7
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3599.1
Capacity:	15548.82
Volume/Capacity Ratio:	0.23
% Autos:	77%
% Trucks:	23%
Truck Volume:	816.99
Crash Density:	74.12
Crash Severity:	88.81
Critical Crash Rate:	72.37
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	16
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	86
Actual Congested Speed:	54.7
Travel Time Index:	1.01

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	4.79
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	8233718.9
Travel Time Savings for 30 Years (Autos):	6364679.77
Travel Time Savings for 30 Years (Trucks):	1869039.13
Long-Term Employment:	284
% Change in Economy:	0.00069974
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Lumber River RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$40,500,000	TIP Unit
Right-of-Way Cost:	\$5,519,000	TIP Unit
Utilities Cost:	\$908,000	TIP Unit
Total Project Cost:	\$46,927,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$46,927,000	